

	Document ID	Issue Date	Pages	Title	Current OR
1	US 20040101114 A1	20040527	19	Multi-band modem	379/93.01
2	US 20030063660 A1	20030403	23	Asymmetric digital subscriber line methods suitable for long subscriber loops	375/222
3	US 20030043894 A1	20030306	13	Time domain equalizer for DMT modulation	375/219
4	US 20020150154 A1	20021017	15	Increasing performance in modems in presence of noise	375/222
5	US 6934368 B2	20050823	17	Multi-band modem	379/93.08
6	US 6850618 B1	20050201	12	Central office interface techniques for digital subscriber lines	379/399.01
7	US 6804267 B1	20041012	26	Transceiver training for DSL modems under TCM-ISDN interference	370/524
8	US 6507606 B2	20030114	20	Asymmetric digital subscriber line methods suitable for long subscriber loops	375/211
9	US 6404773 B1	20020611	16	Carrying speech-band signals over a power line communications system	370/463
10	US 6034993 A	20000307	11	Method and apparatus for adaptively equalizing a signal received from a remote transmitter	375/232
11	US 6028890 A	20000222	12	Baud-rate-independent ASVD transmission built around G.729 speech-coding standard	375/216

	Current XRef	Inventor
1	375/222	Maytal, Benjamin et al.
2	375/260	Shenoi, Kishan et al.
3		Sestok, Charles K. IV et al.
4		Warke, Nirmal
5	375/222; 379/90.01; 379/93.28	Maytal; Benjamin et al.
6	375/222; 379/414	Mohajeri; Hessam et al.
7	370/286; 370/465; 370/478; 375/219; 375/222; 375/225	Long; Guozhu et al.
8	375/222; 379/340; 379/344; 379/347	Shenoi; Kishan et al.
9	340/310.1 1; 370/419; 375/219; 455/402	Williams; Roy Leslie et al.
10	375/222; 375/231; 375/233	Norrell; Andrew L. et al.
11	375/222; 375/240	Salami; Redwan et al.

	Document ID	Issue Date	Pages	Title	Current OR
12	US 5943365 A	19990824	12	Device, system, and method for modem communication utilizing DC or near-DC signal suppression	375/222
13	US 5778024 A	19980707	23	Dual-mode communications processor	375/216
14	US 5745523 A	19980428	31	Multi-mode signal processing	375/216
15	US 5533048 A	19960702	41	Apparatus and method for compensating for limiter induced non-linear distortion in a wireless data communication system	375/222
16	US 5259000 A	19931102	69	Modulator-demodulator apparatus and system	375/222
17	US 4462105 A	19840724	29	Transceiver unit for a telecommunication system	375/222

	Current XRef	Inventor
12	375/259	Long; Guozhu et al.
13	375/222; 455/553.1; 700/6; 700/75	McDonough; John G.
14	332/103; 332/117; 332/144; 375/219; 375/298; 375/324; 375/340; 455/74; 700/75	Dent; Paul W. et al.
15	375/316; 375/340	Dolan; Michael G.
16	375/377	Kojima; Yasuyuki et al.
17	375/293; 379/93.17	Wagner; Theodore et al.

	Document ID	Issue Date	Pages	Title	Current OR
1	US 20050216545 A1	20050929	18	SIMD four-data element average instruction	708/670
2	US 20050213842 A1	20050929	18	SIMD four-pixel average instruction for imaging and video applications	382/264
3	US 20050039218 A1	20050217	19	Integrated circuit BTSC encoder	725/131
4	US 20050038646 A1	20050217	13	BTSC pilot signal lock	704/205
5	US 20040223553 A1	20041111	19	Method and system for wireless audio transmission using low bit-weight words	375/259
6	US 20040032922 A1	20040219	17	Communication system and method for sending and receiving data at a higher or lower sample rate than a network frame rate using a phase locked loop	375/356
7	US 20040032883 A1	20040219	17	Communication system and method for generating slave clocks and sample clocks at the source and destination ports of a synchronous network using the network frame rate	370/509
8	US 20040032350 A1	20040219	17	Communication system and method for sample rate converting data onto or from a network using a high speed frequency comparison technique	341/61
9	US 20020150302 A1	20021017	38	Apparatus and methods for image and signal processing	382/254
10	US 20020126747 A1	20020912	7	Codec circuit and method for increasing the data transmission rate during a modem transmission	375/222
11	US 6665348 B1	20031216	73	System and method for interoperable multiple-standard modulation and code selectable Feher's GMSK, enhanced GSM, CSMA, TDMA, OFDM, and third-generation CDMA, W-CDMA and B-CDMA	375/259

	Current XRef	Inventor
1		Aldrich, Bradley C. et al.
2		Aldrich, Bradley C. et al.
3	348/725; 725/139	Hundhausen, Amy et al.
4		Berg, Erik et al.
5		Kumar, Derek D.
6	375/355	Knapp, David J. et al.
7	375/373	Knapp, David J. et al.
8		Knapp, David J. et al.
9	382/260; 382/261; 382/275; 708/300	McCarthy, Sean T. et al.
10	375/242	Hofer, Gerald et al.
11	375/130; 375/219; 375/261; 375/298	Feher, Kamilo

	Document ID	Issue Date	Pages	Title	Current OR
12	US 6658097 B2	20031202	7	Codec circuit and method for increasing the data transmission rate during a modem transmission	379/93.28
13	US 6618711 B1	20030909	43	Programmable supervisory circuit and applications thereof	706/14
14	US 6574647 B1	20030603	8	Filter arrangement	708/300
15	US 6360021 B1	20020319	37	Apparatus and methods of image and signal processing	382/254
16	US 6226608 B1	20010501	28	Data framing for adaptive-block-length coding system	704/229
17	US 6205197 B1	20010320	42	Programmable supervisory circuit and applications therefor	377/16
18	US 6104968 A	20000815	44	Programmable supervisory circuit and applications therefore	700/297
19	US 6014468 A	20000111	40	Apparatus and methods for image and signal processing	382/254

	Current XRef	Inventor
12		Hofer; Gerald et al.
13	323/283; 377/16; 700/297; 706/22; 706/23; 706/27	Ananth; Ravi S.
14		Pfeiffer; Johann et al.
15	382/260; 382/261; 382/275	McCarthy; Sean T. et al.
16	345/545; 345/564; 386/68; 704/200.1; 704/201; 704/211; 704/500; 704/503	Fielder; Louis Dunn et al.
17	377/45; 377/54	Ananth; Ravi S.
18	323/283; 700/298; 700/73; 700/9; 702/179; 702/181; 702/189; 702/199; 702/57; 702/60; 702/64	Ananth; Ravi S.
19	382/260; 382/275	McCarthy; Sean T. et al.

	Document ID	Issue Date	Pages	Title	Current OR
20	US 5889856 A	19990330	16	ADSL integrated line card with digital splitter and POTS CODEC without bulky analog splitter	379/399.02
21	US 5867535 A	19990202	33	Common transmit module for a programmable digital radio	375/295
22	US 5812430 A	19980922	16	Componentized digital signal processing	708/314
23	US 5734596 A	19980331	10	Self-calibrating and remote programmable signal conditioning amplifier system and method	702/107
24	US 5732107 A	19980324	26	Fir interpolator with zero order hold and fir-spline interpolation combination	375/296
25	US 5684804 A	19971104	33	Device for transmitting, receiving and decoding compressed audiovisual streams	370/509
26	US 5661728 A	19970826	20	Decoder for audio signals of compressed and coded audiovisual streams	370/503
27	US 5594612 A	19970114	40	Analog-to-digital converter with digital linearity correction	341/120
28	US 5594439 A	19970114	35	Diagnosing problems in an electrical system by monitoring changes in nonlinear characteristics	341/118
29	US 5583501 A	19961210	40	Digital-to-analog converter with digital linearity correction	341/118
30	US 5548540 A	19960820	29	Decimation filter having a selectable decimation ratio	708/313
31	US 5463569 A	19951031	24	Decimation filter using a zero-fill circuit for providing a selectable decimation ratio	708/313

	Current XRef	Inventor
20	370/480; 379/93.09	O'Toole; Anthony J. P. et al.
21	455/118; 455/93	Phillips; William C. et al.
22	717/153	Altschuler; Steven J. et al.
23	330/124R; 330/295; 330/51; 702/86	Medelius; Pedro J. et al.
24	375/229; 375/350; 708/313; 708/319	Phillips; William C. et al.
25	370/542; 375/240.0 1	Baronetti; Giovanni et al.
26	348/512; 348/515; 370/509; 375/240.0 1	Finotello; Andrea et al.
27	324/620; 324/626; 341/118; 341/140	Henrion; W. S.
28	324/620; 324/626; 341/120; 341/140	Swanson; Eric J.
29	341/120; 341/143	Henrion; W. S. et al.
30		Staver; Daniel A. et al.
31		Staver; Daniel A. et al.

	Document ID	Issue Date	Pages	Title	Current OR
32	US 5446917 A	19950829	19	Programmable length decimation filter as for sigma-delta modulators	710/69
33	US 5214676 A	19930525	9	Digital phase detector arrangements	375/371
34	US 5189634 A	19930223	11	Digital signal processing apparatus for detecting a frequency component of digital signals	708/312
35	US 5142286 A	19920825	25	Read-out photodiodes using sigma-delta oversampled analog-to-digital converters	341/143
36	US 5058047 A	19911015	15	System and method for providing digital filter coefficients	708/322
37	US 5051981 A	19910924	12	Digital filtering	370/290
38	US 4992736 A	19910212	16	Radio frequency receiver for a NMR instrument	324/309
39	US 4825396 A	19890425	15	Digital circuit for sampling rate variation and signal filtering and method for constructing the circuit	708/318
40	US 4727505 A	19880223	18	Convolution arithmetic circuit for digital signal processing	708/420
41	US 4709344 A	19871124	15	Programmable multifrequency digital tone receiver	708/312

	Current XRef	Inventor
32	708/313	Krisciunas; Joseph E. et al.
33	327/335; 708/313	Wilkinson; James H.
34	708/320	Eberle; Gernot et al.
35	378/19	Ribner; David B. et al.
36	708/319	Chung; Sanguoon
37	341/144; 370/543; 375/222; 375/343; 379/406.0 8; 379/406.1 2; 708/313	Kline; Richard B.
38		Stormont; Robert S. et al.
39		Gazsi; Lajos
40		Konishi; Kazuo et al.
41	708/316	Crawford; Robert J.

	Document ID	Issue Date	Pages	Title	Current OR
42	US 4659876 A	19870421	29	Audiographics communication system	379/93.19
43	US 4435803 A	19840306	15	Analog subscriber/trunk module with shared ringing source and ring-trip	370/228
44	US 4355405 A	19821019	41	Digital signalling system	375/275
45	US 4354248 A	19821012	25	Programmable multifrequency tone receiver	708/311
46	US 4199660 A	19800422	23	FDM/TDM Transmultiplexer	370/307
47	US 4117541 A	19780926	23	Configurable parallel arithmetic structure for recursive digital filtering	708/320
48	US 3801913 A	19740402	35	NUMERICAL FILTER AND DIGITAL DATA TRANSMISSION SYSTEM INCLUDING SAID FILTER	708/322

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42	379/354; 379/355.0 1; 379/388.0 1; 379/420.0 1; 379/93.08; 379/93.23	Sullivan; Thomas M. et al.
43	370/522; 370/537	Das; Santanu et al.
44	370/526; 375/335; 708/311	Ruys; Willi A. H. et al.
45	379/386; 708/316	Conger; David R. L. et al.
46	370/210	Dill; George D. et al.
47	333/18; 370/307; 370/484; 708/404	Ali; Mian Zaheer
48	375/229	Daguet; Jacques Lucien et al.